

# Crops

## FIELD CROPS

The 2003 crop year got off to a slow start due to extremely wet field conditions during the planting season. This was the third time in the last four years that New York farmers had difficulty getting their crops in the ground. Once again, many thousands of acres went unplanted or were planted to alternative crops to make up for projected forage deficiencies. Wet weather continued throughout most of the summer, making haying activities difficult but providing ample moisture for crops such as corn, soybeans, potatoes, and dry beans.

### GRAIN CORN

New York production is estimated at 53.2 million bushels, up 19 percent from 2002. Area for harvest totaled 440,000 acres, down 4 percent from a year ago. Yields averaged a record high 121 bushels per acre, up 24 bushels from last year. Production was valued at \$149 million, up 16 percent from 2002.

### SILAGE CORN

Corn cut for silage totaled 9.63 million tons, an increase of 25 percent from the previous year's production. Acres harvested for silage totaled 550,000 acres, unchanged from a year earlier. Yields are estimated at a record high 17.5 tons per acre, up 3.5 tons from 2002. Value of production totaled \$252 million, up 27 percent from last year.

### SOYBEANS

The 2003 soybean crop was estimated at 4.83 million bushels, 5 percent above last year's production. Area harvested, at 138,000 acres, was down 4 percent from a year ago. Yields averaged 35 bushels per acre, up 3 bushels from a year earlier. The value of the 2003 soybean crop was set at \$33.8 million, up 25 percent from a year ago.

### WHEAT

Production totaled 6.36 million bushels, down 7 percent from the previous year. Harvested acreage, at 120,000 acres, was up 2 percent from 2002. Wheat yields averaged 53 bushels per acre, down 5 bushels from last year. The crop was valued at \$13.6 million, down 41 percent from a year ago.

### OATS

Production, at 4.41 million bushels, was up 6 percent from the previous year. Area harvested, at 70,000 acres, was up 8 percent from 2002. The average yield, at 63 bushels per acre, was down 1 bushel from last year. Production was valued at \$7.72 million, down 3 percent from 2002.

### BARLEY

Production of barley in New York totaled 600,000 bushels, up 28 percent from a year earlier. Acreage harvested for grain totaled 12,000 acres, up 2,000 acres from 2002. The average yield per acre, at 50 bushels, was up 3 bushels from last year. Production was valued at \$1.20 million, up 30 percent from the 2002 value.

### ALL DRY HAY

Production was placed at 3.68 million tons, up 2 percent from last year's 3.62 million tons. Acreage harvested for dry hay during 2003 increased 8 percent to 1.85 million acres. Yield, at 1.99 tons per acre, was 6 percent below a year ago. Value of production, at \$454 million, was up 20 percent from a year ago.

### ALFALFA DRY HAY

New York production of alfalfa dry hay was estimated at 1.68 million tons, up 10 percent from last year's crop of 1.53 million tons. Area harvested, at 600,000 acres, was 2 percent below last year. Yields averaged 2.80 tons per acre, up 12 percent from 2002. Production was valued at \$240 million, up 23 percent from 2002.

### POTATOES

Production totaled 6.51 million hundredweight (cwt.), up 18 percent from the 5.50 million cwt. produced in 2002. Harvested acreage totaled 21,700 acres, down 300 acres from last year. Yields averaged a record high 300 cwt. per acre, up 50 cwt. from a year ago. Value of production, at \$61.8 million, was down 5 percent from 2002.

### DRY BEANS

Production totaled 446,000 cwt., up 34 percent from 2002. Acres harvested totaled 24,000 acres, down 500 acres from a year earlier. The average yield, at a record high 1,860 pounds per acre, was up 500 pounds from last year. The 2003 crop was valued at \$9.99 million, up 35 percent from 2002.

## 2003 CROP SUMMARY



### APRIL

Fieldwork was off to a slow start due to wet fields, but drying weather late in the month encouraged planting. Oat seeding reached nearly one-third complete and corn planting got underway. Spring pruning was in full swing in apple orchards. Onion planting began in Orange County. Warmer weather enabled pastures to start greening up.

### MAY

Fieldwork progressed rapidly early in the month but was slowed by wetness toward the end of May. Lake Erie grapes were hit with freezing temperatures in early May and sustained damage. Corn planting was in full swing and reached almost two-thirds complete, soybeans one-quarter complete, potatoes one-half complete, and oat seeding neared completion. Vegetable planting gained momentum. Soil moisture averaged adequate to surplus.

### JUNE

Wet, wool weather during the majority of the month delayed fieldwork and slowed crop growth. Good weather finally covered the state during the last week allowing planting to progress rapidly. Corn advanced to 90 percent planted and soybeans were three-quarters planted. The first cutting of alfalfa reached 75 percent finished. Strawberry and early cabbage harvest began. Long Island vineyards were in full bloom. Coolness delayed grape blooming in the Finger Lakes about one week.

### JULY

Hot weather proved beneficial for crops and allowed fieldwork to progress without interruption. Oat harvest was nearly one-third complete and wheat combining reached the half-way mark. The second cutting of alfalfa was 65 percent complete and the third cutting was underway. The tart cherry harvest was in full swing and progressed to over one-half finished. Vegetable harvest picked up momentum.

### AUGUST

Hot weather continued through August and pushed crops to maturity. Oat harvest progressed to 80 percent finished, the second cutting of alfalfa was finished and the third cutting reached 20 percent complete. Potato digging was active. The tart and sweet cherry harvest was finished, the peach harvest neared half complete, and apple picking started. Onion harvest was underway while tomato picking was over half finished and snap bean harvest neared three-quarters complete.

### SEPTEMBER

Harvesting operations continued in high gear as weather conditions were mostly cooperative. Harvesting of oats and winter wheat was completed early in the month. Silage corn harvest progressed to one-third finished, alfalfa third cutting wound down while potato digging was two-thirds complete, dry beans one-third harvested and soybean harvest gained momentum. Apple picking was about 40 percent finished and grapes 15 percent harvested. Most vegetables were 80 to 85 percent harvested. Pumpkin and squash harvests began. Peach and pear picking neared completion.

### OCTOBER

Cool weather moved in and brought freezing temperatures to most areas. The silage corn harvest was completed and growers made grain harvest their number one priority. Soybean and dry bean harvests were in full swing. Potato digging was completed. Apple picking wound down. Grape harvest on Long Island was at peak, but harvest in the Lake Erie region was delayed due to low sugar content. Pumpkin harvest peaked and squash and cabbage continued to move to market.

Table 8. **FIELD CROPS:** Acres, Yield, Production, and Value, New York, 1994-2003

Crop and Year	Planted	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	<i><u>1,000 acres</u></i>	<i><u>1,000 acres</u></i>	<i><u>Bushels</u></i>	<i><u>1,000 bushels</u></i>	<i><u>Dollars per bu.</u></i>	<i><u>1,000 dollars</u></i>
<b>WHEAT</b>						
1994	120	115	53.0	6,095	3.20	19,504
1995	130	125	55.0	6,875	4.20	28,875
1996	160	150	43.0	6,450	4.15	26,768
1997	135	130	56.0	7,280	3.35	24,388
1998	140	130	54.0	7,020	2.13	14,953
1999	130	125	65.0	8,125	2.05	16,656
2000	150	140	53.0	7,420	1.94	14,395
2001	125	120	53.0	6,360	2.64	16,790
2002	120	118	58.0	6,844	3.28	22,448
2003	130	120	53.0	6,360	2.10	13,350
<b>OATS</b>						
1994	130	110	64.0	7,040	1.42	9,997
1995	110	90	58.0	5,220	1.65	8,762
1996	85	70	55.0	3,850	2.10	8,085
1997	100	90	65.0	5,850	1.70	9,945
1998	115	105	62.0	6,510	1.41	9,179
1999	100	70	68.0	4,760	1.45	6,902
2000	80	60	65.0	3,900	1.40	5,460
2001	95	80	69.0	5,520	1.62	8,942
2002	75	65	64.0	4,160	1.92	7,987
2003	85	70	63.0	4,410	1.75	7,718
<b>RYE</b>						
1994	30	8	31.0	248	2.25	558
1995	42	9	35.0	315	2.25	709
1996	49	8	28.0	224	3.00	672
1997	40	7	33.0	231	2.10	485
1998	50	15	35.0	525	2.00	1,050
1999	45	15	38.0	570	1.50	855
2000	40	7	40.0	280	2.00	560
2001	35	7	27.0	189	2.00	378
2002	40	10	32.0	320	2.00	640
2003	35	8	33.0	264	2.00	528
<b>BARLEY</b>						
1994	12	9	61.0	549	1.75	961
1995	12	10	65.0	650	1.80	1,170
1996	16	12	54.0	648	3.05	1,976
1997	16	13	54.0	702	2.00	1,404
1998	18	16	50.0	800	1.30	1,040
1999	19	17	57.0	969	1.35	1,308
2000	12	10	58.0	580	1.65	957
2001	15	12	51.0	612	1.60	979
2002	11	10	47.0	470	1.96	921
2003	14	12	50.0	600	2.00	1,200

Table 8. **FIELD CROPS:** Acres, Yield, Production, and Value, New York, 1994-2003 (*Continued*)

Crop and Year	Planted <sup>1/</sup>	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	<u>1,000 acres</u>	<u>1,000 acres</u>	<u>Bushels</u>	<u>1,000 bushels</u>	<u>Dollars per bu.</u>	<u>1,000 dollars</u>
<b>SOYBEANS</b>						
1994	70	68	41.0	2,788	5.00	13,940
1995	66	63	38.0	2,394	6.20	14,843
1996	76	75	35.0	2,625	6.35	16,669
1997	105	102	37.0	3,774	6.00	22,644
1998	100	97	41.0	3,977	5.10	20,283
1999	130	128	37.0	4,736	4.20	19,891
2000	135	132	33.0	4,356	4.55	19,820
2001	160	158	33.0	5,214	4.55	23,724
2002	145	144	32.0	4,608	5.85	26,957
2003	140	138	35.0	4,830	7.00	33,810
<b>CORN FOR GRAIN</b>						
1994	1,110	570	116.0	66,120	2.65	181,366
1995	1,130	620	105.0	65,100	3.85	246,593
1996	1,150	630	103.0	64,890	2.98	193,372
1997	1,170	600	110.0	66,000	2.62	172,920
1998	1,130	580	114.0	66,120	2.21	146,125
1999	1,150	590	101.0	59,590	2.24	133,482
2000	980	450	98.0	44,100	2.35	103,635
2001	1,030	540	105.0	56,700	2.51	142,317
2002	1,020	460	97.0	44,620	2.87	128,059
2003	1,000	440	121.0	53,240	2.80	140,072
<b>CORN SILAGE</b>						
			<u>Tons</u>	<u>1,000 tons</u>	<u>Dollars per ton</u>	
1994	-	540	15.8	8,532	22.70	193,676
1995	-	505	14.0	7,070	24.50	173,215
1996	-	510	15.5	7,905	25.80	203,949
1997	-	560	15.0	8,400	34.40	288,960
1998	-	550	16.0	8,800	25.30	222,640
1999	-	560	16.0	8,960	25.90	232,064
2000	-	530	14.0	7,420	25.60	189,952
2001	-	485	16.0	7,760	26.40	204,864
2002	-	550	14.0	7,700	25.70	197,890
2003	-	550	17.5	9,625	26.20	252,175
<b>DRY BEANS <sup>2/</sup></b>						
			<u>Lbs.</u>	<u>1,000 cwt.</u>	<u>Dollars per cwt.</u>	
1994	39	38.5	1,520	585	20.30	11,876
1995	34	33.0	1,630	538	18.10	9,738
1996	30	29.0	1,300	377	27.00	10,179
1997	44	43.5	1,560	679	20.60	13,987
1998	31	30.0	1,420	426	25.30	10,778
1999	31	30.2	1,370	414	19.40	8,032
2000	25	24.5	1,460	358	18.80	6,730
2001	23	22.3	870	194	24.70	4,792
2002	25	24.5	1,360	333	22.20	7,393
2003	25	24.0	1,860	446	22.40	9,990

<sup>1/</sup> Complete utilization of corn acreage planted is shown on page 22. Corn planted acreage includes corn for grain, silage, forage, and abandoned acres.

<sup>2/</sup> Production by major varieties is shown on page 21.

Table 8. **FIELD CROPS:** Acres, Yield, Production, and Value, New York, 1994-2003 (*Continued*)

Crop and Year	Planted	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	<u>1,000 acres</u>	<u>1,000 acres</u>	<u>Tons</u>	<u>1,000 tons</u>	<u>Dollars per ton</u>	<u>1,000 dollars</u>
<b>ALFALFA HAY</b>						
1994	-	620	2.95	1,829	93.00	170,097
1995	-	650	2.60	1,690	94.00	158,860
1996	-	640	2.70	1,728	99.50	171,936
1997	-	640	2.60	1,664	110.00	183,040
1998	-	600	2.45	1,470	105.00	154,350
1999	-	550	2.30	1,265	121.00	153,065
2000	-	450	2.40	1,080	119.00	128,520
2001	-	570	2.80	1,596	119.00	189,924
2002	-	610	2.50	1,525	128.00	195,200
2003	-	600	2.80	1,680	143.00	240,240
<b>OTHER HAY</b>						
1994	-	1,040	2.05	2,132	75.00	159,900
1995	-	950	1.85	1,758	72.00	126,576
1996	-	870	2.00	1,740	74.50	129,630
1997	-	890	2.00	1,780	80.50	143,290
1998	-	800	2.05	1,640	82.00	134,480
1999	-	950	1.80	1,710	90.50	154,755
2000	-	1,050	1.90	1,995	93.50	186,533
2001	-	1,100	1.80	1,980	84.50	167,310
2002	-	1,100	1.90	2,090	87.50	182,875
2003	-	1,250	1.60	2,000	107.00	214,000
<b>ALL HAY <sup>1/</sup></b>						
1994	-	1,660	2.39	3,961	84.50	329,997
1995	-	1,600	2.16	3,448	85.50	285,436
1996	-	1,510	2.30	3,468	87.00	301,566
1997	-	1,530	2.25	3,444	94.00	326,330
1998	-	1,400	2.22	3,110	93.00	288,830
1999	-	1,500	1.98	2,975	108.00	307,820
2000	-	1,500	2.05	3,075	NA	315,053
2001	-	1,670	2.14	3,576	NA	357,234
2002	-	1,710	2.11	3,615	NA	378,075
2003	-	1,850	1.99	3,680	125.00	454,240

<sup>1/</sup> All hay price is based on weighted sales, not production.

Table 9. **POTATOES:** Acreage, Yield, Production, and Disposition, Sales, and Value,  
New York, 1994-2003

Crop Year	Planted	Harvested	Yield per acre	Production	Used on farms where grown <sup>1/</sup>	Sold	Marketing year average price	Value	
								Production	Sales
	<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	----- <i>1,000 cwt.</i> -----		<i>Dollars per cwt.</i>		<i>1,000 dollars</i>	
1994	29,100	28,600	273	7,805	548	7,257	9.75	76,190	70,814
1995	28,000	27,500	270	7,425	445	6,980	7.45	55,316	52,001
1996	27,000	26,500	280	7,420	468	6,952	7.30	54,166	50,750
1997	26,500	26,000	275	7,150	454	6,696	8.75	62,563	58,590
1998	27,600	27,000	270	7,290	440	6,850	9.35	68,162	64,048
1999	26,000	25,500	265	6,758	418	6,340	9.00	60,822	57,060
2000	22,000	21,300	280	5,964	514	5,450	8.70	51,887	47,415
2001	23,500	23,300	255	5,942	602	5,340	9.90	58,826	52,866
2002	22,500	22,000	250	5,500	450	5,050	11.80	64,900	59,590
2003	22,200	21,700	300	6,510	<u>2/</u>	<u>2/</u>	9.50	61,845	<u>2/</u>

<sup>1/</sup> Includes feed and seed used on farms where produced and shrinkage during storage.

<sup>2/</sup> Available September 23, 2004.



Table 10. **POTATOES:** Stocks Held by Growers and Local Dealers,  
New York, 1994-2003 <sup>1/</sup>

Crop Year	December 1	January 1	February 1	March 1	April 1
	<i>1,000 cwt.</i>				
1994	4,200	3,000	1,800	<u>2/</u>	<u>2/</u>
1995	3,400	2,500	1,500	900	400
1996	3,700	2,400	1,400	800	350
1997	3,600	2,500	1,500	800	400
1998	3,400	2,300	1,500	800	350
1999	3,500	2,500	1,800	1,300	700
2000	2,700	1,900	1,400	1,000	400
2001	2,400	1,500	1,000	600	300
2002	2,400	1,800	1,100	600	220
2003	3,500	2,800	2,400	1,500	750

<sup>1/</sup> Total stocks consist of production less total disappearance to date. Disappearance includes all sales for all purposes, all potatoes eaten or fed on farms where produced and all losses to date through shrinkage, decay, dumping, etc.

<sup>2/</sup> Not published to avoid disclosure of individual operations.

Table 11. **DRY BEANS:** Acreage, Yield, Production, and Off-Farm Stocks, by Class,  
New York, 1994-2004

Crop Year	Acres		Yield per acre	Production
	Planted	Harvested		
	<u>1,000 acres</u>		<u>Pounds</u>	<u>1,000 cwt.</u>
RED KIDNEY				
<u>Light</u> 1994	21.0	20.5	1,480	303
1995	19.0	18.0	1,620	292
1996	16.5	16.0	1,270	203
1997	25.0	24.5	1,580	387
1998	16.0	15.5	1,350	209
1999	17.7	17.5	1,290	225
2000	15.0	14.6	1,430	209
2001	13.3	13.1	850	112
2002	15.0	14.7	1,300	191
2003	14.1	13.4	1,890	253
<u>Dark</u> 1994	5.0	5.0	1,460	73
1995	4.0	4.0	1,600	64
1996	3.5	3.0	1,270	38
1997	2.0	2.0	1,650	33
1998	2.0	2.0	1,600	32
1999	2.0	2.0	1,350	27
2000	1.9	1.8	1,280	23
2001	1.2	1.2	830	10
2002	2.0	2.0	1,350	27
2003	1.1	1.1	1,820	20
BLACK TURTLE				
1994	9.0	9.0	1,620	146
1995	8.0	8.0	1,690	135
1996	7.0	7.0	1,430	100
1997	13.0	13.0	1,530	199
1998	10.5	10.0	1,470	147
1999	9.5	9.0	1,570	141
2000	5.2	5.2	1,500	78
2001	6.7	6.3	940	59
2002	6.0	5.8	1,570	91
2003	8.2	7.9	1,800	142
OTHER CLASSES				
1994	4.0	4.0	1,580	63
1995	3.0	3.0	1,570	47
1996	3.0	3.0	1,200	36
1997	4.0	4.0	1,500	60
1998	2.5	2.5	1,520	38
1999	1.8	1.7	1,240	21
2000	2.9	2.9	1,660	48
2001	1.8	1.7	760	13
2002	2.0	2.0	1,200	24
2003	1.6	1.6	1,940	31
ALL CLASSES				
1994	39.0	38.5	1,520	585
1995	34.0	33.0	1,630	538
1996	30.0	29.0	1,300	377
1997	44.0	43.5	1,560	679
1998	31.0	30.0	1,420	426
1999	31.0	30.2	1,370	414
2000	25.0	24.5	1,460	358
2001	23.0	22.3	870	194
2002	25.0	24.5	1,360	333
2003	25.0	24.0	1,860	446



Table 12. **CORN:** Acreage Utilization, New York, 1994-2003

Crop Year	Total acres planted	Acres harvested for					
		All Grain	Dry Shelled	High Moisture Shelled	High Moisture Ground Ear	Silage	Forage and abandoned
		<i>1,000 acres</i>					
1994	1,110	570	420	120	30	540	0
1995	1,130	620	460	130	30	505	5
1996	1,150	630	435	175	20	510	10
1997	1,170	600	450	120	30	560	10
1998	1,130	580	435	115	30	550	0
1999	1,150	590	460	105	25	560	0
2000	980	450	360	80	10	530	0
2001	1,030	540	405	115	20	485	5
2002	1,020	460	350	90	20	550	10
2003	1,000	440	340	85	15	550	10

Table 13. **HAY:** Stocks on Farms, New York, 1994-2003

Crop Year	Total production	Stocks Following Harvest			
		December 1		May 1	
		Stocks	Percent of production	Stocks	Percent of production
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Percent</i>	<i>1,000 tons</i>	<i>Percent</i>
1994	3,961	2,377	60	594	15
1995	3,448	2,069	60	552	16
1996	3,468	2,254	65	555	16
1997	3,444	1,998	58	344	10
1998	3,110	1,990	64	435	14
1999	2,975	1,900	64	385	13
2000	3,075	2,280	74	625	20
2001	3,576	2,250	63	600	17
2002	3,615	2,236	62	520	14
2003	3,680	2,430	66	552	15

## NEW YORK FEED GRAIN DEFICIT IN 2003

New York feed grain production (corn, oats, barley) in 2003 was 16 percent above production in 2002, but 8 percent below the 10 year average. The quantity of grain fed during 2003 decreased 2 percent from a year earlier and was 3 percent below the 10 year average. The decreases in grain fed are primarily attributed to a reduced number of dairy cows in the state on average during the year when compared to 2002 and the 10 year average number of cows. The increase in grain production from a year earlier is primarily due to a record high yield for corn, while the difference from the 10 year average is because of a downward trend in acres of corn harvested for grain.

Feed grain produced in 2003 met 75 percent of the State's feeding requirements. The feed grain deficit fluctuates widely depending primarily on the level of corn produced. Over the past ten years, New York farmers have produced

on average 79 percent of the feed needed for the dairy, livestock, and poultry industries in the state.

Table 14. **HAY:** Stocks on Farms, New York, 1994-2003

Year	Quantity Produced	Quantity Fed	Quantity of Deficit
	<i>1,000 tons</i>		
1994	2,064	2,398	334
1995	1,994	2,342	348
1996	1,975	2,381	406
1997	2,075	2,367	292
1998	2,099	2,328	229
1999	1,901	2,278	376
2000	1,443	2,378	935
2001	1,844	2,309	465
2002	1,469	2,321	851
2003	1,707	2,269	562



## VEGETABLES

A cool, wet spring delayed planting. Planting intentions were diverted to crops that had a later planting season. Sweet corn was a crop that saw an increase in acreage due to this phenomenon. Wet, saturated soils continued into May and June causing yields to suffer. Drought was not a problem like it was last year and there seemed to be no need for irrigation. An early frost in October ended most vegetable activities.

The value of all New York vegetable production in 2003 totaled \$326 million. New York ranked sixth in the nation for the value of principal fresh market vegetables and eighth for the value of principal processed vegetables in 2003.

The value of the Empire State's principle fresh market vegetables totaled \$292 million this year. Fresh market production in 2003 was estimated at 15.0 million hundredweight (cwt.).

Processing vegetables were valued at \$34.3 million in 2003 and production totaled 248 thousand tons.

### ONIONS

Yields averaged 320 cwt. per acre, 110 cwt. higher than last year. Production is estimated at 3.81 million cwt., a 46 percent increase from last year. Value is up 78 percent, for a total of \$49.9 million.

### CABBAGE

Fresh market cabbage production for 2003, estimated at 3.82 million cwt., is down 8 percent from 2002 production of 4.13 million cwt. New York ranked second in the nation for fresh market cabbage production in 2003.

### SWEET CORN

Sweet corn for fresh market acreage was up this year. A total of 35,600 acres were harvested, a 12 percent increase from last year. Yields were 115 cwt. per acre. Total value ended up at \$84.3 million, up 1 percent from last year. Despite lower prices, value increased because more acres harvested and higher yields occurred in 2003.

### PUMPKINS

Pumpkins showed a value of \$9.9 million. There were 5,300 acres harvested for a production of 9,943 million cwt. Value of production in 2003 decreased 58 percent from 2002 because of less acreage, lower yields and a much lower price.

### SNAP BEANS

The value of the 2003 fresh market snap bean crop was fourth highest in the nation at \$26.7 million. Total production was 392,000 cwt., down 30 percent from last year due to less acres harvested and lower yields.

### GREEN PEAS

The value of processed green peas rose 21 percent due to higher yields pushing production up 26 percent. Total value ended up at \$9.82 million dollars. Total production was 28,020 tons.

Table 15. **PRINCIPAL VEGETABLES FOR FRESH MARKET**

Year	Planted	Harvested	Production	Value
	<i>1,000 acres</i>		<i>1,000 cwt.</i>	<i>Million dol.</i>
1994	67.5	63.5	13,824	168.4
1995	72.8	68.4	13,404	176.9
1996	65.1	61.1	10,019	108.7
1997	67.7	64.3	12,893	172.1
1998	71.6	68.7	13,115	202.8
1999	77.3	73.6	13,563	209.9
2000	89.4	79.9	17,322	343.9
2001	96.1	92.2	18,030	340.8
2002	87.8	84.9	14,031	303.9
2003	92.3	86.1	15,095	291.5

Table 16. **PRINCIPAL VEGETABLES FOR PROCESSING <sup>1/</sup>**

Year	Planted	Harvested	Production	Value
	<i>1,000 acres</i>		<i>1,000 tons</i>	<i>Million dol.</i>
1994	67.0	63.6	422.7	38.0
1995	89.4	86.4	452.6	45.3
1996	86.9	84.2	432.7	44.5
1997	90.1	87.6	510.4	43.3
1998	90.2	84.9	459.8	49.8
1999	77.5	75.7	420.8	45.3
2000	82.1	77.6	389.3	42.6
2001	78.2	74.2	377.3	42.5
2002	57.9	55.8	202.9	27.5
2003	59.5	53.3	247.6	34.3

<sup>1/</sup> 2001 figures are not comparable to 2002 and 2003.

Cabbage for kraut not included for 2002 and 2003.

Table 17. **VEGETABLES FOR FRESH MARKET:** Acres, Yield, Production, and Value,  
New York, 1994-2003

Crop and Year	Planted	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>1,000 dollars</i>
<b>CAULIFLOWER 1/</b>						
1994	1,500	1,300	135	176	40.80	7,181
1995	1,300	1,200	155	186	25.80	4,799
1996	1,100	1,000	140	140	33.30	4,662
1997	1,100	1,000	200	200	34.80	6,960
1998	1,400	1,400	195	273	35.30	9,637
1999	1,300	1,100	150	165	38.30	6,319
2000	1,100	900	120	108	38.00	4,104
2001	900	800	140	112	38.60	4,323
2002	1,000	900	100	90	44.10	3,969
2003	1,000	800	70	56	37.00	2,072
<b>CUCUMBERS</b>						
1994	3,300	3,300	130	429	14.70	6,306
1995	3,500	3,400	130	442	15.10	6,674
1996	4,100	3,900	100	390	17.30	6,747
1997	3,100	3,000	200	600	21.40	12,840
1998	3,800	3,800	200	760	19.30	14,668
1999	3,600	3,600	180	648	26.00	16,848
2000	3,900	3,800	210	798	25.40	20,269
2001	4,400	4,300	170	731	27.50	20,103
2002	4,600	4,600	180	828	27.20	22,522
2003	5,100	4,800	110	528	23.60	12,461
<b>SNAP BEANS</b>						
1994	5,200	4,600	105	483	28.10	13,572
1995	5,100	4,100	55	226	38.50	8,701
1996	4,200	3,900	40	156	49.30	7,691
1997	5,300	5,100	62	316	54.80	17,317
1998	5,400	5,300	62	329	50.60	16,647
1999	6,300	6,100	61	372	53.30	19,828
2000	8,600	7,600	68	517	61.00	31,537
2001	11,500	11,400	56	638	63.00	40,194
2002	10,300	10,200	55	561	67.40	37,811
2003	9,900	9,800	40	392	68.00	26,656
<b>SWEET CORN</b>						
1994	27,000	25,700	100	2,570	12.70	32,639
1995	32,800	30,500	85	2,593	18.90	49,008
1996	28,800	27,100	75	2,033	14.80	30,088
1997	29,200	27,300	73	1,993	14.90	29,696
1998	30,700	29,200	90	2,628	18.10	47,567
1999	35,900	33,700	95	3,202	16.30	52,193
2000	32,300	27,500	95	2,613	21.60	56,441
2001	35,500	33,400	115	3,841	17.80	68,370
2002	31,100	29,800	110	3,278	23.90	78,344
2003	39,100	35,600	115	4,094	20.60	84,336
<b>TOMATOES</b>						
1994	2,700	2,500	160	400	36.90	14,760
1995	2,600	2,400	125	300	24.60	7,380
1996	2,100	1,900	80	152	22.10	3,359
1997	3,400	3,200	120	384	29.10	11,174
1998	3,400	3,300	140	462	29.00	13,398
1999	3,400	3,100	115	357	34.50	12,317
2000	3,300	3,000	180	540	56.80	30,672
2001	3,200	3,000	160	480	59.40	28,512
2002	2,800	2,700	140	378	63.50	24,003
2003	2,400	2,300	140	322	80.60	25,953

1/ Includes quantities used for processing.

Table 17. **VEGETABLES FOR FRESH MARKET:** Acres, Yield, Production, and Value,  
New York, 1994-2003 (*Continued*)

Crop and Year	Planted	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>1,000 dollars</i>
<b>BELL PEPPERS 2/</b>						
2000	1,600	1,500	210	315	43.70	13,766
2001	1,400	1,300	230	299	40.90	12,229
2002	1,200	1,000	200	200	45.00	9,000
2003	1,000	900	260	234	46.00	10,764
<b>EGGPLANT 2/</b>						
2000	550	520	180	94	39.30	3,694
2001	550	520	230	120	40.70	4,884
2002	500	490	260	127	38.10	4,839
2003	450	440	220	97	39.40	3,822
<b>ENDIVE/ESCAROLE 2/</b>						
2000	300	240	280	67	38.90	2,606
2001	300	260	280	73	36.60	2,672
2002	300	250	190	48	40.00	1,920
2003	280	270	170	96	40.20	1,849
<b>PUMPKINS 2/</b>						
2000	6,700	5,700	200	1,140	23.10	26,334
2001	7,400	6,400	210	1,344	17.80	23,923
2002	6,500	6,300	170	1,071	22.20	23,776
2003	6,000	5,300	140	742	13.40	9,943
<b>SPINACH 2/</b>						
2000	700	670	80	54	59.30	3,202
2001	400	300	80	24	28.50	684
2002	600	500	80	40	55.20	2,208
2003	500	400	75	30	51.30	1,539
<b>SQUASH 2/</b>						
2000	3,500	3,300	220	726	23.70	17,206
2001	4,000	3,900	160	624	23.80	14,851
2002	4,200	4,100	170	697	27.00	18,819
2003	4,000	3,800	230	874	26.90	23,511

2/ Crop added to program in 2000.

Table 18. **CABBAGE FOR FRESH MARKET:** Acres, Yield, Production, Sales, and Value,  
New York, 1994-2003

Crop Year	Planted	Harvested	Yield per acre	Production	Sales 1/	Marketing year average price	Value of Sales	January 1 Stocks
	<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>1,000 dol.</i>	<i>1,000 cwt.</i>
1994	12,800	12,000	450	5,400	4,855	8.48	41,170	1,320
1995	12,900	12,500	420	5,250	4,935	8.90	43,922	1,390
1996	11,000	10,500	400	4,200	3,746	8.08	30,268	1,263
1997	11,600	11,200	480	5,376	4,785	9.70	46,415	1,725
1998	12,600	12,100	380	4,598	4,194	10.30	43,198	1,613
1999	12,400	12,100	410	4,961	4,498	12.60	55,692	1,836
2000	13,400	12,900	440	5,676	4,955	17.50	86,713	1,433
2001	14,000	13,800	400	5,520	4,968	16.80	83,462	1,376
2002	12,000	11,800	350	4,130	3,713	13.10	48,640	1,074
2003	10,500	9,800	390	3,822	3,487	11.10	38,706	956

1/ Excludes quantities lost from shrinkage and waste.

Table 19. **ONIONS FOR FRESH MARKET:** Acres, Yield, Production, and Value, New York, 1994-2003

Crop Year	Planted	Harvested	Yield per acre	Production	Sales <u>1/</u>	Marketing year average price	Value of Sales
	<u>Acres</u>	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>	<u>1,000 cwt.</u>	<u>Dollars per cwt.</u>	<u>1,000 dol.</u>
1994	13,200	12,400	310	3,844	3,422	13.00	44,486
1995	12,800	12,600	320	4,032	3,690	13.80	50,922
1996	12,300	11,400	240	2,736	2,345	9.80	22,911
1997	12,500	12,200	300	3,660	3,309	12.70	42,024
1998	13,100	12,500	300	3,750	3,187	16.30	51,948
1999	13,000	12,600	280	3,528	2,935	12.20	35,807
2000	13,400	12,300	380	4,674	3,510	13.50	47,385
2001	13,200	12,800	330	4,224	3,773	9.70	36,598
2002	12,700	12,300	210	2,583	2,299	12.20	28,048
2003	12,100	11,900	320	3,808	3,351	14.90	49,885

1/ Excludes quantities lost from shrinkage and waste.Table 20. **ONIONS:** Acres, Yield, and Production, by Area, New York, 1994-2003

Year	Orange County	Orleans- Genesee <u>1/</u>	Oswego County	Madison	Steuben- Yates- Ontario	Wayne & Other	State
<b>HARVESTED ACRES</b>							
1994	5,600	2,600	1,900	700	1,300	300	12,400
1995	5,700	2,700	1,800	800	1,300	300	12,600
1996	5,400	2,400	1,900	500	900	300	11,400
1997	5,800	2,500	2,200	400	1,000	300	12,200
1998	4,700	3,400	2,800	200	1,100	300	12,500
1999	4,800	3,400	2,800	200	1,100	390	12,600
2000	4,900	3,100	2,500	300	1,100	400	12,300
2001	5,100	3,300	2,600	300	1,100	400	12,800
2002	5,000	3,000	2,700	300	1,000	300	12,300
2003	4,800	3,000	2,600	200	1,000	300	11,900
<b>YIELD PER ACRE - Cwt.</b>							
1994	390	310	370	280	320	330	310
1995	330	320	350	200	320	270	320
1996	190	280	290	290	310	240	240
1997	270	280	390	250	350	290	300
1998	200	370	370	280	360	210	300
1999	180	340	310	240	440	360	280
2000	420	310	390	310	410	340	380
2001	320	320	360	300	350	320	330
2002	200	200	230	210	240	200	210
2003	310	300	350	300	360	300	320
<b>PRODUCTION - 1,000 Cwt.</b>							
1994	1,524	806	703	196	416	99	3,844
1995	1,881	864	630	160	416	81	4,032
1996	1,017	672	551	145	279	72	2,736
1997	1,566	700	858	100	350	86	3,660
1998	940	1,258	1,036	56	397	63	3,750
1999	864	1,156	868	48	484	108	3,528
2000	2,058	961	975	93	451	136	4,674
2001	1,629	1,056	936	90	385	128	4,224
2002	999	600	621	63	240	60	2,583
2003	1,488	900	910	60	360	90	3,808

1/ Includes small acreages in Livingston and Niagara Counties.

Table 21. **VEGETABLES FOR PROCESSING:** Acres, Yield, Production, and Value, New York, 1994-2003

Crop and Year	Planted	Harvested	Yield per acre	Production	Marketing year average price	Value
	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>1,000 dollars</i>
<b>BEETS</b>						
1994	2,900	2,900	15.40	44,660	58.90	2,630
1995	3,900	3,900	11.00	42,900	59.40	2,548
1996	4,200	4,200	9.90	41,580	75.20	3,127
1997	2,700	2,700	15.00	40,500	64.70	2,620
1998	2,300	2,300	12.00	27,600	78.50	2,167
1999	2,500	2,500	15.37	38,430	79.00	3,036
2000	2,600	2,500	13.38	33,450	73.00	2,442
2001	2,600	2,300	15.40	35,420	75.20	2,664
2002	2,300	2,300	12.20	28,060	71.50	2,006
2003	2,500	2,200	15.20	33,440	65.90	2,204
<b>CABBAGE FOR KRAUT</b>						
1994	2,100	2,100	29.00	60,900	40.00	2,436
1995	3,000	3,000	17.00	51,000	39.80	2,030
1996	3,000	3,000	15.50	46,500	40.20	1,869
1997	2,300	2,300	30.10	69,230	46.30	3,205
1998	3,000	3,000	20.60	61,800	46.40	2,868
1999	2,400	2,400	28.41	68,180	49.00	3,341
2000	2,900	2,800	27.18	76,100	53.40	4,064
2001	2,700	2,600	28.20	73,320	51.50	3,776
2002	1/	1/	1/	1/	1/	1/
2003	1/	1/	1/	1/	1/	1/
<b>GREEN PEAS</b>						
1994	10,200	9,700	2.54	24,640	286.00	7,047
1995	18,400	18,200	1.66	30,210	316.00	9,546
1996	15,100	14,400	1.92	27,650	306.00	8,461
1997	18,900	18,200	2.21	40,220	210.00	8,446
1998	19,600	17,500	2.20	38,500	330.00	12,705
1999	15,500	14,900	2.13	31,730	314.00	9,963
2000	16,500	16,300	2.01	32,810	204.00	6,693
2001	18,400	17,400	2.27	39,490	312.00	12,324
2002	16,300	15,400	1.44	22,220	366.00	8,132
2003	17,000	14,800	1.89	28,020	350.00	9,817
<b>SNAP BEANS</b>						
1994	18,000	17,300	3.52	60,900	171.00	10,414
1995	22,300	21,400	3.59	76,830	165.00	12,677
1996	21,100	20,200	3.50	70,700	186.00	13,150
1997	23,500	22,800	3.40	77,520	148.00	11,473
1998	21,200	20,800	3.70	76,990	176.00	13,563
1999	21,500	21,200	3.42	72,550	190.00	13,808
2000	28,800	26,500	3.37	89,310	193.00	17,235
2001	23,100	22,300	2.96	66,110	174.00	11,503
2002	21,700	21,300	2.99	63,590	175.00	11,129
2003	23,700	21,900	3.53	77,380	178.00	13,777
<b>SWEET CORN</b>						
1994	32,500	30,300	6.80	206,040	65.40	13,475
1995	40,300	38,500	5.80	223,300	73.60	16,435
1996	41,900	40,900	5.50	224,950	72.30	16,264
1997	40,400	39,300	6.40	251,520	60.10	15,116
1998	42,000	39,200	5.60	219,520	70.60	15,498
1999	33,100	32,500	5.52	179,390	70.60	12,664
2000	30,700	29,000	5.33	154,650	75.00	11,599
2001	31,000	29,200	5.50	160,600	73.70	11,829
2002	17,600	16,800	5.30	89,040	69.70	6,206
2003	16,300	14,400	7.50	108,780	78.40	8,523

1/ Estimates discontinued.

# FRUITS

The value of New York’s 2003 tree fruit and grape production totaled \$215 million, up 21 percent from the 2002 value. The value of utilized production was above the previous year for all fruits except tart cherries, grapes, and strawberries.

## APPLE

The 2003 crop in New York was up 46 percent to 990 million pounds. This year’s value of utilized apple production, based on packinghouse door equivalent returns, totaled \$148 million. New York ranks second in apple production behind Washington.

## GRAPES

Production in New York increased 27 percent from 2002 to 198,000 tons. Fresh grapes totaled 3,000 tons while 149,000 tons were crushed by wineries and processors. Grapes utilized for juice accounted for 56 percent of the total grapes processed with the remaining 44 percent going for wine. Unutilized production was 46,000 tons.

The value of the 2003 grape crop is estimated at \$37.9 million, 20 percent below the 2002 crop value. New York ranked third in grape production behind California and Washington

## TART CHERRIES

New York’s tart cherry crop is estimated at 7.2 million pounds, down 43 percent from the 2002 crop of 12.7 million pounds. The value of utilized production is estimated at \$2.26 million.

## SWEET CHERRIES

New York sweet cherry production, at 600 tons, is up 71 percent from the 350 tons produced in 2002. The 2003 crop is valued at \$11.1 million compared to \$605 thousand a year ago.

## PEACHES

Peach production for the Empire State is placed at 13.0 million pounds, up 30 percent from the 2002 level. The value of the 2003 crop, at \$4.22 million, is up 78 percent from 2002.

## PEARS

Production of pears in New York is estimated at 15,500 tons, up 55 percent from the 2002 output of 10,000 tons. The 2003 crop is valued at \$5.51 million, up 50 percent from 2002. New York ranks fourth nationally in pear production.

## STRAWBERRIES

Production in New York was down 21 percent from 2002 to 5.00 million pounds. The value of utilized production is estimated at \$7.75 million, down 12 percent from the \$8.82 million in 2002. New York ranks seventh in strawberry production. Nationally, the strawberry crop for 2003 was placed at 2.08 billion pounds, up 11 percent from 2002.

## BLUEBERRIES

Production of blueberries for the Empire State was placed at 2.10 million pounds, unchanged from 2002. The 2003 crop is valued at \$2.57 million. This is an increase of 1 percent from the \$2.55 million in 2002. The U.S. estimate for blueberries is 191 million pounds, down less than 1 percent from the 192 million pounds produced in 2002.

## RED RASPBERRIES

Production totaled 2.30 million pounds, an increase of 53 percent from 2002. Acreage harvested remained a 450 acres but yields were exceptionally good and pushed production up. The value of the crop also increased to 5.76 million dollars. This increase was fueled by the higher production and an increase in the average price per pound due to good quality.

Table 22. **FRUIT:** Production and Value of Major Fruits, New York, 1994-2003 <sup>1/</sup>

Year	Utilized Production	Value
	<i>Tons</i>	<i>1,000 dollars</i>
1994	777,620	191,833
1995	756,070	191,977
1996	732,200	210,319
1997	722,720	203,840
1998	630,300	170,033
1999	850,950	224,851
2000	654,450	179,197
2001	647,800	179,726
2002	496,275	186,790
2003	671,470	215,075

<sup>1/</sup> Includes apples, grapes, tart and sweet cherries, peaches, pears, blueberries, and strawberries. Includes red raspberries starting in 1995.

Table 23. **APPLES:** Bearing Acres, Production, and Value, New York, 1994-2003

Crop Year	Acres of bearing age	Production		Value	
		Total	Utilized production	Marketing year average price <u>1/</u>	Value of utilized production
	<u>Thousands</u>	<u>Million pounds</u>		<u>Cents per lb.</u>	<u>1,000 dollars</u>
1994	57.0	1,100	1,100	11.80	129,680
1995	57.5	1,110	1,110	12.10	134,490
1996	57.5	1,030	1,030	13.50	138,850
1997	55.0	1,120	1,120	12.60	141,320
1998	55.0	1,070	960	11.40	109,560
1999	55.0	1,260	1,230	11.40	140,230
2000	40.0	995	935	11.70	109,075
2001	45.0	1,000	940	11.90	111,860
2002	45.0	680	630	17.70	111,280
2003	45.0	990	980	15.10	147,980

1/ Packinghouse door equivalent.Table 24. **APPLES:** Utilization and Price, New York, 1994-2003 1/

Crop Year	Fresh Use		Processed			
	Quantity	Marketing year average price	Total	Marketing year average price <u>1/</u>	Canned	Marketing year average price
	<u>Million lbs.</u>	<u>Cents per lb.</u>	<u>Million lbs.</u>	<u>Dollars per ton</u>	<u>Million lbs.</u>	<u>Dollars per ton</u>
1994	490	18.0	610	135	283	148
1995	480	18.7	630	141	271	156
1996	500	17.7	530	190	300	212
1997	520	17.6	600	166	335	186
1998	420	15.8	540	160	292	192
1999	590	16.5	640	134	310	164
2000	460	17.0	475	130	246	158
2001	420	18.4	520	133	320	152
2002	310	28.0	320	153	228	166
2003	490	23.0	490	144	255	172

Crop Year	Processed					
	Juice and Cider	Marketing year average price	Frozen	Marketing year average price	Other <u>2/</u>	Marketing year average price
	<u>Million lbs.</u>	<u>Dollars per ton</u>	<u>Million lbs.</u>	<u>Dollars per ton</u>	<u>Million lbs.</u>	<u>Dollars per ton</u>
1994	195	100	67	164	65	156
1995	280	122	59	168	20	180
1996	182	146	35	226	13	188
1997	160	106	88	202	17	144
1998	170	92	68	200	10	129
1999	266	90	45	168	19	164
2000	189	88	26	168	14	128
2001	155	86	30	150	15	164
2002	65	100	20	182	7	120
2003	180	102	30	174	25	120

1/ Packinghouse door equivalent price.2/ Includes vinegar, jelly, apple butter, mincemeat, fresh slices, and dried.



Table 25. **APPLES:** Total Production, by Variety, 1994-2003

Variety	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
	<i>Million pounds</i>									
Cortland	80	80	75	80	75	80	65	70	45	70
Crispin (Mutsu)	20	25	30	40	45	65	50	55	35	50
Delicious	115	115	115	120	95	115	80	90	60	90
Empire	80	95	110	130	100	150	135	150	100	145
Golden Delicious	50	40	40	40	55	60	55	70	50	70
Idared	85	80	70	80	95	115	85	65	45	65
McIntosh	250	235	220	215	230	240	210	180	120	175
R.I. Greening	115	105	90	75	75	75	30	20	15	10
Rome	150	155	120	155	135	135	90	70	50	75
Other	155	180	160	185	165	225	195	230	160	240
All Varieties	1,100	1,110	1,030	1,120	1,070	1,260	995	1,000	680	990
	<i>Thousand bushels (42 pounds per bushel)</i>									
All Varieties	26,190	26,429	24,524	26,667	25,476	30,000	23,690	23,809	16,190	23,571

Table 26. **APPLES:** Receipts and Utilization at New York Processing Plants and Cider Mills, New York, 1994-2003

Crop Year	Total received <sup>1/</sup>	Receipts from other states <sup>2/</sup>	Used for canning and applesauce	Used for juice and cider	Used for freezing	Other products <sup>3/</sup>	Cider and juice made <sup>4/</sup>
	<i>Million pounds</i>						<i>Thous. gal.</i>
1994	530.8	40.3	238.2	198.1	70.1	24.4	17,534
1995	624.7	68.1	258.8	281.1	64.2	20.6	23,170
1996	464.3	49.5	235.9	184.2	34.3	9.9	17,595
1997	505.6	54.0	257.0	152.9	84.4	11.3	20,150
1998	471.8	34.0	241.8	144.8	78.1	7.1	17,379
1999	574.7	50.0	261.9	244.4	50.2	18.2	<sup>5/</sup>
2000	444.0	37.3	216.2	184.1	30.7	13.0	14,779
2001	471.6	32.8	267.4	158.9	31.1	13.7	<sup>6/</sup>
2002	314.4	38.2	208.7	78.2	20.2	7.2	<sup>6/</sup>
2003	364.0	20.5	189.2	144.0	30.8	0.0	<sup>6/</sup>

<sup>1/</sup> Excludes New York grown apples processed in other states.<sup>2/</sup> Included in preceding column.<sup>3/</sup> Includes vinegar, jelly, apple butter, mincemeat, fresh slices, and dried.<sup>4/</sup> Unconcentrated.<sup>5/</sup> Not published to avoid disclosure of individual operations.<sup>6/</sup> Estimate discontinued.



Table 27. **APPLES:** Holdings in Cold Storage, New York, End of Month, 1994-2003

Month	Total Holdings <sup>1/</sup>									
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
	<i>1,000 bushels</i>									
September	3,163	3,731	3,319	3,715	4,425	3,947	4,331	2,857	2,199	3,391
October	8,380	8,139	7,891	8,874	8,427	9,054	7,651	7,377	5,108	7,611
November	8,347	7,861	8,135	9,279	7,620	8,405	7,169	7,552	5,159	8,316
December	7,321	7,019	7,021	8,429	6,696	7,975	7,200	6,901	5,388	7,739
January	5,959	5,789	5,641	7,302	1,160	6,964	6,251	5,692	4,719	6,855
February	4,773	4,338	4,759	6,056	4,653	5,815	5,003	4,752	3,822	5,327
March	3,108	3,176	3,449	4,752	3,344	4,380	3,742	3,547	2,872	3,777
April	1,887	1,915	1,941	3,182	1,932	3,184	2,676	2,561	2,130	3,052
May	840	1,037	1,016	2,150	1,000	2,039	1,684	1,776	1,321	1,951
June	286	415	440	1,286	523	1,134	1,012	928	739	1,091
July	68	243	201	751	269	590	689	428	397	<sup>3/</sup>
August	<sup>2/</sup>	<sup>2/</sup>	<sup>2/</sup>	433	83	289	168	65	<sup>2/</sup>	<sup>3/</sup>
Month	Controlled Atmosphere Holdings <sup>1/</sup>									
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
	<i>1,000 bushels</i>									
September	1,804	2,337	2,011	2,294	2,100	2,102	1,798	1,581	1,158	1,946
October	5,070	5,209	5,060	5,115	4,758	5,451	4,673	4,841	3,520	4,657
November	5,487	5,344	5,454	6,164	4,806	5,714	4,982	5,449	3,821	5,778
December	5,290	5,304	5,311	6,197	4,773	5,954	5,659	5,501	4,476	5,944
January	4,547	4,665	4,530	5,720	4,731	5,507	5,114	4,679	3,981	5,631
February	3,808	3,620	3,989	4,923	3,888	4,680	4,255	3,997	3,253	4,596
March	2,606	2,780	2,976	3,990	2,968	3,669	3,309	3,126	2,560	3,499
April	1,680	1,765	1,759	2,730	1,762	2,749	2,499	2,387	1,978	2,841

<sup>1/</sup> Crop harvested in year indicated.

<sup>2/</sup> Not published to avoid disclosure of individual operations.

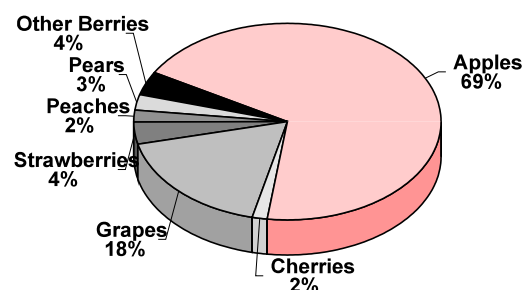
<sup>3/</sup> Not available at time of publication

Table 28. **TART CHERRIES:** Bearing Acres, Production, Utilization, and Value, New York, 1994-2003

Crop Year	Acres of bearing age	Production				Fresh Use		Processed	
		Total	Utilized <sup>1/</sup>	Marketing year average price	Value of utilized production	Quantity	Marketing year average price	Total	Marketing year average price
	<i>Thous.</i>	<i>Million lbs.</i>		<i>Cents per lb.</i>	<i>1,000 dol.</i>	<i>Mil. lbs.</i>	<i>Cents per lb.</i>	<i>Mil. lbs.</i>	<i>Cents per lb.</i>
1994	4.0	26.0	23.7	12.4	2,934	0.1	55.0	23.6	12.2
1995	4.0	32.0	20.0	5.6	1,116	0.2	63.0	19.8	5.0
1996	3.5	19.0	14.2	14.4	2,042	0.2	76.0	14.0	13.5
1997	2.6	14.5	13.2	17.3	2,286	0.2	103.0	13.0	16.0
1998	2.6	14.0	12.2	18.0	2,200	0.2	98.0	12.0	16.7
1999	2.6	17.0	17.0	15.7	2,666	0.1	80.0	16.9	15.3
2000	2.2	16.6	16.6	21.3	3,536	0.1	120.0	16.5	20.7
2001	2.0	14.7	14.1	19.6	2,763	0.1	103.0	14.0	19.0
2002	2.0	12.7	12.7	50.6	6,420	0.1	120.0	12.6	25.0
2003	2.0	7.2	7.2	31.4	2,262	0.1	132.0	7.1	30.0

<sup>1/</sup> Excludes mature fruit not harvested.Table 29. **SWEET CHERRIES:** Bearing Acres, Production, and Value, New York, 1994-2003

Crop year	Acres of bearing age	Production		Marketing year avg. price	Value of utilized production
		Total	Utilized <sup>1/</sup>		
	<i>Thous.</i>	<i>Tons</i>		<i>Dollars per ton</i>	<i>1,000 dol.</i>
1994	0.45	900	820	850	697
1995	0.45	1,100	1,000	960	960
1996	0.50	700	600	1,420	854
1997	0.75	650	620	1,720	1,069
1998	0.75	700	650	2,070	1,346
1999	0.75	1,050	1,000	1,490	1,494
2000	0.70	900	900	1,370	1,230
2001	0.70	1,100	1,050	1,530	1,610
2002	0.70	350	350	1,730	605
2003	0.70	600	570	1,950	1,112

<sup>1/</sup> Excludes mature fruit not harvested.Figure 2.  
**RELATIVE VALUE OF NEW YORK FRUIT CROPS, 2003**  
(Million Dollars)Table 30. **PEACHES:** Bearing Acres, Production, and Value, New York, 1994-2003

Crop year	Acres of bearing age	Production		Marketing year avg. price	Value of utilized production
		Total	Utilized <sup>1/</sup>		
	<i>Thous.</i>	<i>Million pounds</i>		<i>Cents per lb.</i>	<i>1,000 dol.</i>
1994	1.6	7.0	7.0	25.1	1,757
1995	1.6	11.5	11.0	20.7	2,280
1996	1.6	12.0	11.5	34.8	4,003
1997	1.6	12.0	11.5	46.1	5,296
1998	1.6	10.0	8.5	41.6	3,538
1999	1.6	14.0	12.0	45.4	5,454
2000	1.6	12.0	11.3	40.0	4,524
2001	1.6	12.5	12.0	31.1	3,736
2002	1.7	10.0	10.0	23.8	2,375
2003	1.7	13.0	12.0	35.2	4,218

<sup>1/</sup> Excludes mature fruit not harvested.Table 31. **PEARS:** Bearing Acres, Production, and Value, New York, 1994-2003

Crop year	Acres of bearing age	Production		Marketing year avg. price	Value of utilized production
		Total	Utilized <sup>1/</sup>		
	<i>Thous.</i>	<i>Tons</i>		<i>Dollars per ton</i>	<i>1,000 dol.</i>
1994	2.4	16,000	16,000	303	4,848
1995	2.5	14,500	14,500	372	5,392
1996	2.4	15,000	15,000	383	5,748
1997	2.0	8,000	8,000	384	3,070
1998	2.0	11,500	10,000	375	3,754
1999	2.0	12,500	11,300	388	4,390
2000	2.0	14,500	12,900	353	4,551
2001	1.5	11,000	10,000	401	4,008
2002	1.5	10,000	9,850	374	3,682
2003	1.4	15,000	14,800	373	5,513

<sup>1/</sup> Excludes mature fruit not harvested.

Table 32. **GRAPES:** Bearing Acres, Production, Utilization, and Value, New York, 1994-2003

Crop Year	Acres of bearing age	Production				Fresh Use	
		Total all varieties	Utilized all varieties <sup>1/</sup>	Marketing year average price	Value of utilized production	Quantity	Marketing year average price
	<i>Thous.</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars per ton</i>
1994	33.0	190,000	187,000	213	39,761	4,000	470
1995	33.0	165,000	163,000	228	37,218	4,000	480
1996	33.0	189,000	184,000	257	47,220	4,000	600
1997	31.5	139,000	137,000	292	40,024	3,000	790
1998	31.5	128,000	125,000	311	38,884	2,000	500
1999	31.5	205,000	204,000	286	58,366	2,000	600
2000	31.5	154,000	154,000	298	45,940	2,000	550
2001	31.5	149,000	149,000	320	47,668	1,000	900
2002	31.0	156,000	155,000	307	47,620	2,000	860
2003	31.0	198,000	152,000	249	37,902	3,000	714
Crop Year	Processed						
	Quantity	Marketing year average price	Wine	Marketing year average price	Sweet Juice and Other	Marketing year average price	
	<i>Tons</i>	<i>Dollars per ton</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>Tons</i>	<i>Dollars per ton</i>	
1994	183,000	207	82,000	217	101,000	198	
1995	159,000	222	51,000	259	108,000	205	
1996	180,000	249	58,000	282	122,000	234	
1997	134,000	281	44,000	328	90,000	258	
1998	123,000	308	36,000	392	87,000	273	
1999	202,000	283	50,000	348	152,000	262	
2000	152,000	295	41,000	377	111,000	265	
2001	148,000	316	41,000	391	107,000	287	
2002	153,000	300	44,000	369	109,000	272	
2003	149,000	240	65,000	295	84,000	198	

Table 33. **GRAPES:** Total Grapes Processed in New York Plants, 1994-2003 <sup>1/</sup>

Year	Received from		Primary utilization		Total
	New York	Other States and Canada	Wine	Sweet Juice and Other	
	<i>Tons</i>				
1994	141,483	17,546	89,238	69,791	159,029
1995	126,469	15,925	56,217	86,177	142,894
1996	143,441	21,047	65,372	99,116	164,488
1997	110,098	17,973	46,532	81,539	128,071
1998	103,915	19,452	43,190	80,177	123,367
1999	165,578	27,052	61,118	131,513	192,630
2000	123,243	20,987	48,094	96,136	144,230
2001	115,982	23,025	50,901	88,105	139,007
2002	104,492	16,573	48,466	72,600	121,066
2003	121,143	27,570	87,504	61,209	148,713

<sup>1/</sup> Excludes New York grown grapes processed in other states.

Table 34. **GRAPES:** New York Grown Grapes Processed, by Variety, New York, 1994-2003 <sup>1/</sup>

Variety	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>American Varieties:</b>										
Catawba	10,116	8,700	7,900	7,335	6,090	9,600	6,400	7,760	6,680	7,650
Concord	136,000	111,000	139,000	96,600	89,400	154,500	113,300	107,200	107,770	104,000
Delaware	2,316	2,350	1,650	1,010	550	1,180	630	550	820	550
Ives <sup>2/</sup>				130	115	210	140	150	165	180
Elvira	4,826	4,600	5,100	4,110	3,080	4,540	3,660	3,950	4,200	5,250
Niagara	15,300	15,600	10,700	12,800	10,000	17,200	13,900	15,100	18,880	18,000
<b>French Hybrids:</b>										
Aurora	6,282	5,250	4,900	3,295	4,080	4,240	4,060	2,880	4,100	3,620
Baco Noir	923	1,300	1,200	670	890	730	720	990	930	1,220
Cayuga White	523	740	1,000	630	840	860	740	670	830	650
DeChaunac	1,126	1,450	910	575	710	940	670	850	590	320
Rougeon	735	800	720	585	420	660	540	680	625	530
Seyval Blanc	678	900	900	600	650	850	550	610	590	480
<b>Vitis Vinifera, All</b>	1,134	3,435	3,700	3,650	4,015	4,030	4,670	4,410	4,620	4,550
<b>Other Varieties, All <sup>3/</sup></b>	2,743	2,625	2,200	2,010	2,160	2,460	2,020	2,200	2,200	2,000
<b>TOTAL</b>	183,000	159,000	180,000	134,000	123,000	202,000	152,000	148,000	153,000	149,000

<sup>1/</sup> Includes New York grown grapes received at out-of-state plants.<sup>2/</sup> Estimates began in 1997.<sup>3/</sup> Includes other American and French Hybrid varieties not shown.Table 35. **GRAPES:** New York Grown Grapes Processed, by Area of Production, 1994-2003 <sup>1/</sup>

Year	Chautauqua-Erie <sup>2/</sup>	Niagara County	Finger Lakes <sup>3/</sup>	Other <sup>4/</sup>	State Total
	<i>Tons</i>				
1994	124,033	4,903	50,588	3,471	183,000
1995	98,346	7,398	50,299	2,957	159,000
1996	122,228	5,879	45,676	6,217	180,000
1997	89,383	3,986	37,572	3,059	134,000
1998	84,507	2,889	33,026	2,578	123,000
1999	149,476	3,922	46,166	2,436	202,000
2000	108,932	3,146	37,482	2,440	152,000
2001	101,461	5,192	39,056	2,291	148,000
2002	105,786	3,986	40,643	2,585	153,000
2003	96,035	4,376	44,920	3,669	149,000

<sup>1/</sup> Includes New York grown grapes received at out-of-state plants.<sup>2/</sup> Includes Cattaraugus County.<sup>3/</sup> Includes Ontario, Seneca, Schuyler, Steuben and Yates Counties.<sup>4/</sup> Includes Hudson Valley, Long Island and other areas not listed.

Table 36. **GRAPES:** Processed in New York Wineries and Processing Plants  
(Tonnages Received by Variety and Primary Use, 2002 and 2003)

Year	Total Receipts New York Plants <sup>1/</sup>		Primary Utilization			
			Wine		Sweet Juice and Other	
	2002	2003	2002	2003	2002	2003
<b>American Varieties:</b>						
Catawba	7,622	8,508	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
Concord	83,864	108,725	19,342	53,518	64,522	55,207
Delaware	812	531	<u>2/</u>	496	<u>2/</u>	35
Ives	164	176	164	<u>2/</u>	-	<u>2/</u>
Elvira	4,527	5,193	4,527	<u>2/</u>	-	-
Niagara	9,829	12,562	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
<b>French Hybrids:</b>						
Aurora	4,080	3,564	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
Baco Noir	925	1,197	925	1,197	-	-
Cayuga White	829	644	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
DeChaunac	582	319	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
Rougeon	621	520	621	<u>2/</u>	-	<u>2/</u>
Seyval Blanc	583	465	583	<u>2/</u>	-	<u>2/</u>
<b>Vitis Vinifera, All</b>	4,596	4,438	4,596	4,438	-	-
<b>Other Varieties, All</b>	2,032	1,871	<u>2/</u>	1,795	<u>2/</u>	78
<b>TOTAL <sup>1/</sup></b>	121,066	148,713	48,466	87,504	72,600	61,209

<sup>1/</sup> Totals may not add due to rounding.

<sup>2/</sup> Not published to avoid disclosure of individual operations.



Table 37. **BERRIES:** Area Harvested, Yield, Production, and Value, New York, 1994-2003

Crop Year	Area harvested	Production		Marketing year average price	Value of utilized production
		Total	Utilized		
	<i>Acres</i>	<i>1,000 pounds</i>		<i>Dollars per cwt.</i>	<i>1,000 dol.</i>
STRAWBERRIES					
1994	2,500	9,600		112.00	10,752
1995	2,400	7,700		107.00	8,239
1996	2,000	7,400		120.00	8,880
1997	1,700	6,700		101.00	6,767
1998	1,600	6,100		115.00	7,015
1999	1,600	7,800		106.00	8,268
2000	1,600	6,500		105.00	6,825
2001	1,700	6,000		118.00	7,080
2002	1,700	6,300		140.00	8,820
2003	1,700	5,000		155.00	7,750
BLUEBERRIES				<i>Dollars per lb.</i>	
1994	660	1,400	1,300	1.08	1,404
1995	600	1,200	1,100	1.00	1,104
1996	650	1,300	1,200	1.02	1,229
1997	700	1,600	1,500	1.07	1,602
1998	700	1,600	1,500	1.02	1,536
1999	700	1,900	1,600	1.08	1,733
2000	700	2,000	1,900	.96	1,816
2001	700	1,700	1,500	1.18	1,765
2002	700	2,100	1,900	1.34	2,550
2003	700	2,100	2,000	1.29	2,578
RED RASPBERRIES					
1998	450	1,200	1,000	2.20	2,200
1999	450	1,100	900	2.50	2,250
2000	450	1,300	1,000	1.70	1,700
2001	450	1,100	950	2.00	1,900
2002	450	1,500	1,250	2.75	3,438
2003	450	2,300	2,000	2.88	5,760



## FLORICULTURE

New York floriculture production ranked fifth in the nation for total commercial sales in 2003. Value of sales increased from a year earlier for bedding and garden plants, propagative materials, and foliage for indoor or patio use. The overall value of commercial sales increased 5 percent to \$196 million. Bedding and garden plants continued to be the highest component of the total value of sales increasing 8 percent from 2002 to \$107 million. Potted flowering plants were second with a value of sales of \$45.5 million, a decrease of 5 percent. Propagative materials ranked third at \$8.97 million, an increase of 67 percent.



The number of commercial growers decreased for the sixth consecutive year. During 2003, there were 875 growers. The open ground area used to produce floriculture crops in the state was down approximately 1 percent. Greenhouse space for operators exceeding the \$10,000 sales level increased 4 percent to total 24.2 million square feet in 2003. This increase pushed the total covered area (*greenhouse plus shade and temporary structures*) up to 24.9 million square feet, 4 percent more than 2002.



The total U.S. wholesale value of floriculture crops grown by operations exceeding the \$100,000 sales level reached \$4.85 billion in 2003, down 1 percent from the revised 2002 total. These operations, which comprise 40 percent of all growers, account for 94 percent of the total value of floriculture crops. Bedding and garden plants wholesale value, at \$2.48 billion, is the largest contributor to the value of production, up 1 percent from the previous year. Potted flowering plants value, at \$857 million, is down 2 percent from 2002. The foliage category is valued at \$623 million for 2003. This is down 5 percent from the revised 2002 estimate. Value of cut flowers, at \$425 million, is down less than 1 percent, while cut cultivated greens, at \$109 million, is down 5 percent from 2002.

## MAPLE

New York maple syrup 2004 production increased 21 percent from 2003. Syrup production is estimated at 255,000 gallons, up from the 210,000 gallons produced in 2003. Only two states, Vermont and Maine, produced more syrup.

The number of taps, 1.35 million, increased less than 1 percent from last year. Syrup produced per tap averaged 0.190 gallons, up from 0.157 gallons in 2003. The final value of the 2003 crop is \$5.63 million. Decreased production from 2002 offset increased prices.

Maple production rebounded after a poor 2003 season. The increase resulted from more taps and much higher yields per tap. The season opened on March 4 and closed on April 3. Most producers ended with an average crop. Tapping and running tubing was very difficult. Producers were unable to tap as many trees as they had planned due to heavy snow cover. Weather conditions were not the best for sap flow. Temperatures were reported as 29 percent too warm, 49 percent favorable and 22 percent too cold. Cold weather early in the season with the lack of warm days limited sap flow throughout most of the State.

Later, the weather was good for a short time before becoming extremely warm, therefore limiting sap flow. After the warm spell, conditions returned to near normal and producers enjoyed a period of good sap flow. Even though temperature fluctuations during the season were not consistent, the syrup quality of this year's crop was very good. Syrup color was 19 percent dark, 54 percent medium and 27 percent light.

Table 37. **MAPLE SYRUP: Production and Value,**  
New York, 199-2004

Crop	Syrup made <u>1/</u>	Average date		Gallons of sap per gallon of syrup	Average price per gallon	Value of production
		First run made	Last run made			
	<u>1,000 gals.</u>			<u>Gallons</u>	<u>Dollars</u>	<u>1,000 dollars</u>
1994	251	Mar. 16	Apr. 11	41	24.50	6,150
1995	208	Mar. 4	Apr. 1	47	23.50	4,888
1996	343	Mar. 5	Apr. 10	40	25.50	8,747
1997	269	Mar. 4	Apr. 7	48	25.10	6,752
1998	231	Feb. 25	Mar. 28	41	26.85	6,202
1999	195	Feb. 27	Apr. 2	43	27.30	5,324
2000	210	Feb. 27	Mar. 24	49	29.00	6,090
2001	193	Mar. 11	Apr. 7	40	29.50	5,694
2002 <u>2/</u>	260	Feb. 22	Mar. 30	44	26.80	6,838
2003 <u>2/</u>	210	Mar. 13	Apr. 9	44	26.80	5,628
2004 <u>2/</u>	255	Mar. 4	Apr. 3	44	<u>3/</u>	<u>3/</u>

1/ Includes syrup later made into sugar.

2/ Production adjusted based on maple validation study.

Prior years not adjusted.

3/ Available June 2005.

Table 38. **MAPLE SYRUP: Price by Type of Sales and Size of Container, New York, 2003-2004**

Type	Gallons		½ Gallon		Quarts		Pints		½ Pint	
	2002	2003	2002	2003	2002	2003	2002	2003	2002	2003
Retail	<i>Dollars</i>		<i>Dollars</i>		<i>Dollars</i>		<i>Dollars</i>		<i>Dollars</i>	
	29.70	30.20	17.70	17.80	9.90	10.40	6.50	6.50	4.20	4.30
	26.90	25.50	14.80	14.70	8.00	8.00	4.70	4.80	2.90	3.00
	Bulk All Grades			Bulk All Grades				All Sales		
	2002	2003	2002	2003	2002	2003				
Wholesale	<i>Dollars per pound</i>			<i>Dollars per gallon</i>				<i>Equivalent per gallon</i>		
	1.30	1.30	14.30	14.50	26.30	26.80				